O & M INSPECTION REPORT
FOR NAVIGATION AND SHORE PROTECTION PROJECTS

1. Project Name: Honokahau SBH

2. Date of Inspection: 8 May 2002

3. Inspection Personnel:

	Name	Agency/Office	Telephone No.
a.	Dan Meyers	COE	438-8875
b.	Rick Oleniacz	COE	438-1981

4. Discussion:

The project consist of:

Entrance Channel - 840’ long, 120’ wide and 20’ deep at the outer-end and 15’ deep and 15” wide at the inner-end.

Main Access Channel - 660’ long and 15’ deep at the outer-end and 12’ deep at the inner-end.

Wave Absorber (South) - 150’ long adjacent the south-side of the entrance channel. The project begins at Sta. 4+50 (Oceanside) to Sta. 6+00 as shown on the attached Project Index Map.

Wave Absorber (North) - 650’ long adjacent the north-side of the entrance channel. The project begins at Sta. 5+00 (Oceanside) thru Sta. 8+50 then transitions east at Sta. 8+51 to Sta. 11+60 as shown on the attached Project Index Map.

I met with the Harbor Agent, Mr. Darryl T. Quiocho, Division of Boating and Ocean Recreation, Department of Land and Natural Resources, 329-4215, fax 326-7896. Mr. Quiocho stated there were no known problems with the project and no boaters had complained about channel depths.

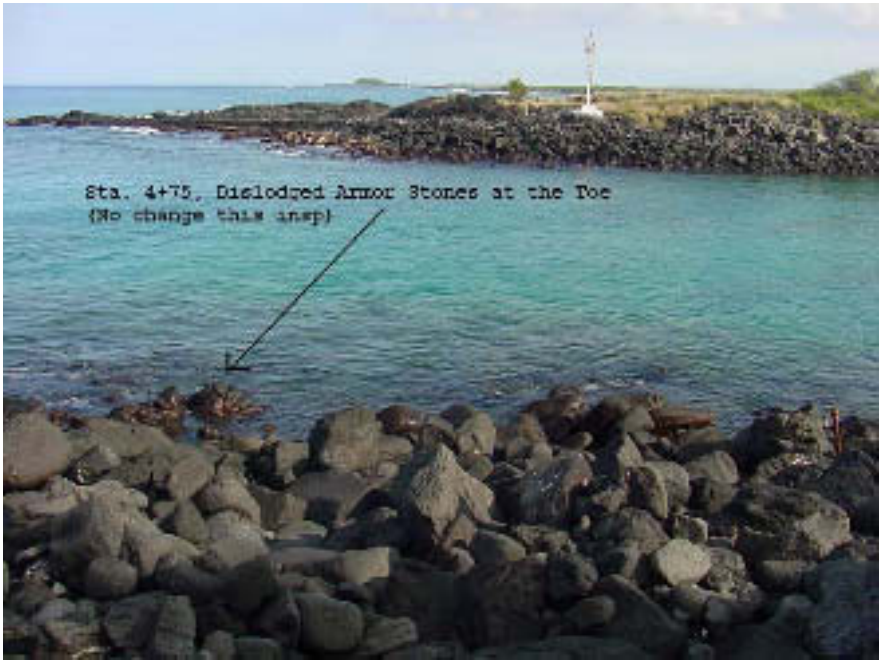
Findings:

The following are deficiencies noted during the inspection:

South Wave Absorber - 150’:

a. South Wave Absorber, Overview

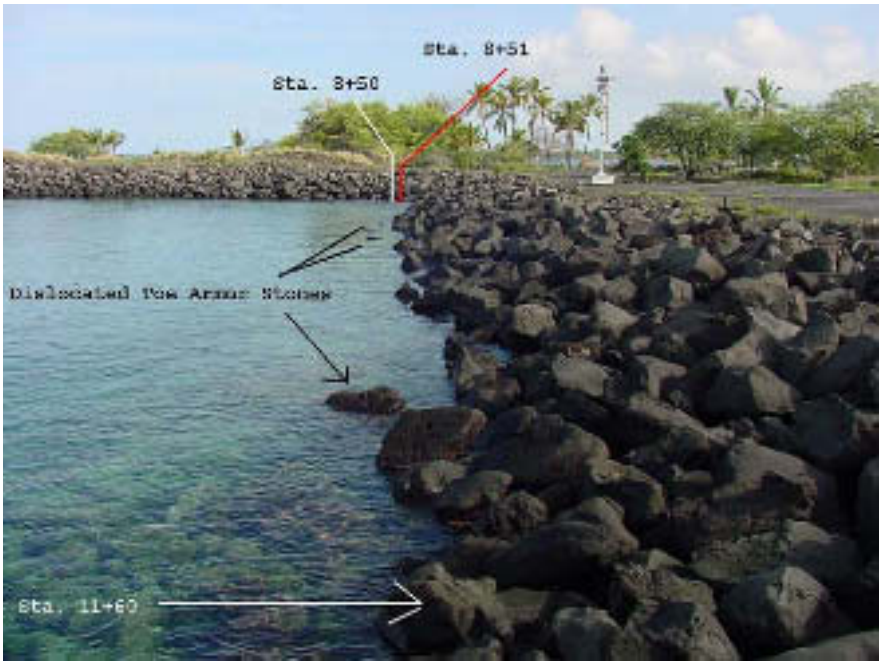
b. Sta. 5+75; Sta. 5+20 and Sta. 4+90, armor stones have been pushed up by wave action, this causes a 2’ mound and associated 2’ depression in the sideslope.



c. Sta. 4+75, armor stones are dislodged at the toe and have caused a void at the waterline.

d. South Wave Absorber reference photo.

North Wave Absorber - 650’:



a. Sta. 11+60 thru Sta. 8+51, numerous toe armor stones are displaced at the waterline.

b. Sta. 9+00, dislodged armor stone at the toe. (verify station next insp).

c. Sta. 8+51, Overview (east-side).

d. Sta. 8+50 - Sta. 5+00, (north-side), dislocated toe armor stones.

e. Sta. 6+50, displaced armor stone resting adjacent toe.

f. Sta. 5+00, Overview reference photo.

5. Conclusion:

Although both the North and South Wave Absorbers have sustained allot of armor stone movement, the risk of further major loss of function within the next budget cycle is unlikely. The breakwater structure remains in GOOD condition.

Signed: _____
Dan Meyers, CEPOH-EC-T

Signed: _____
Jim Pennaz P.E., Ch, CEPOH-EC-T

Attached:
Project Index Map

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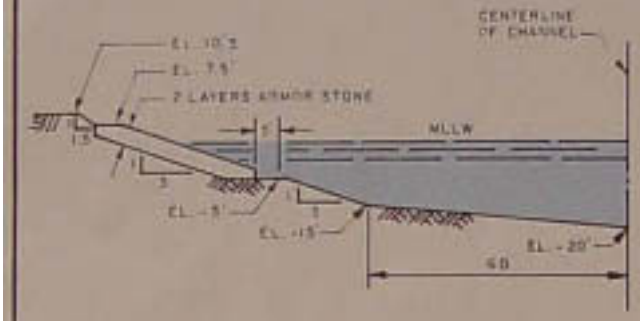
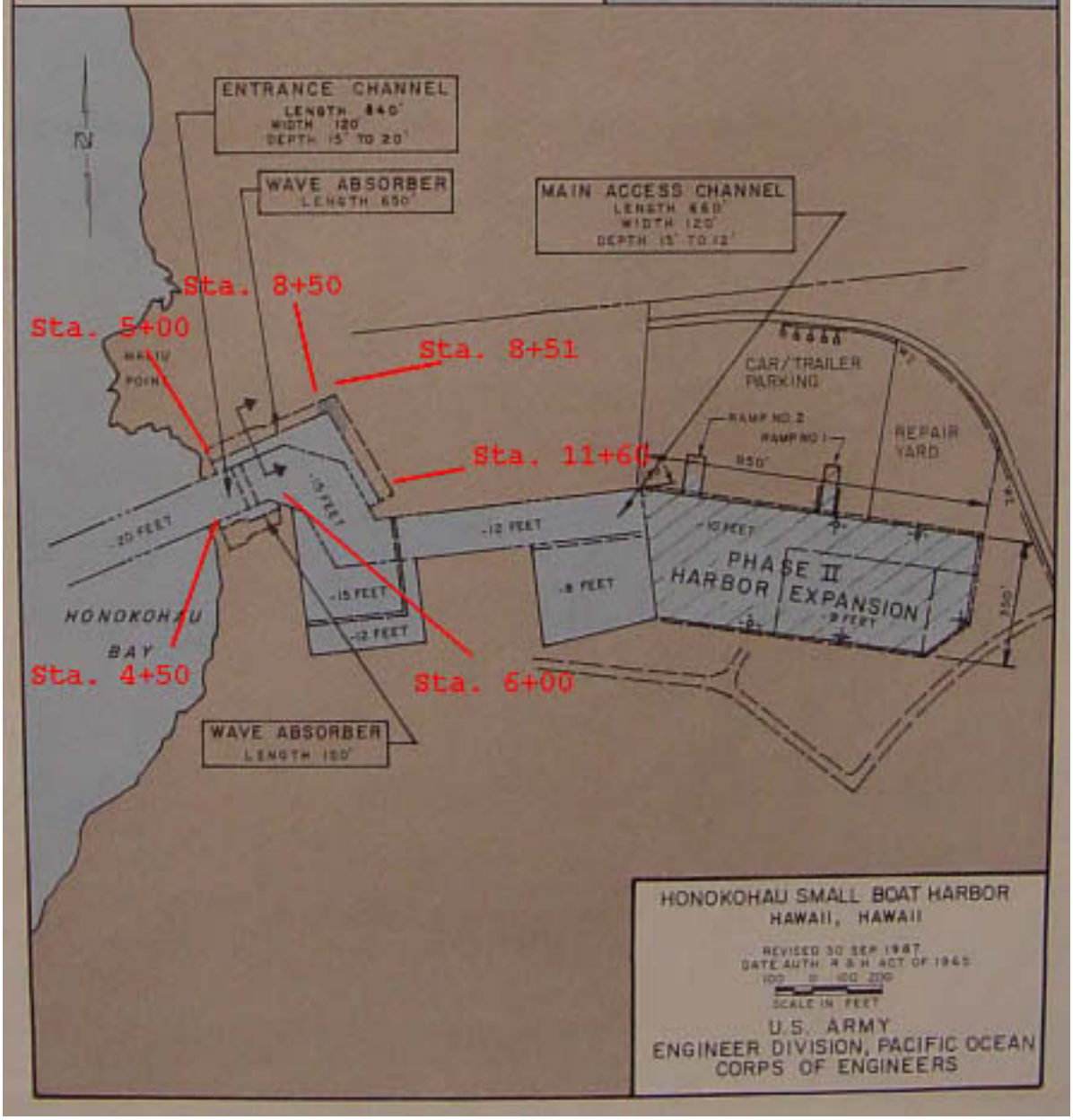


WAVE ABSORBER AND CHANNEL

LOCATION MAP
ISLAND OF HAWAII



HONOKOHAU SMALL BOAT HARBOR
HAWAII, HAWAII

REVISED 30 SEP 1987
DATE AUTH: R & H ACT OF 1945

SCALE IN FEET

U.S. ARMY
ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS